ABSTRACT

The invention relates to the discovery of a novel amino acid sequence motif, herein termed the RKIP motif, and to the family of proteins defined by the presence of that motif.

Proteins comprising the RKIP motif modulate kinases involved in signal transduction pathways.

The RKIP motif forms the basis for screening assays for the identification of agents useful for modulating signal transduction pathways subject to RKIP family mediated regulation, and for the diagnosis and treatment of disorders involving inappropriate activities of pathways subject to RKIP family mediated regulation.